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| <b>Issue Classification</b><br> | <b>Application/Control No.</b><br>110080564 | <b>Applicant(s)/Patent Under Reexamination</b><br>TAKAHASHI, TETSU |
|   | <b>Examiner</b><br>SYED Y HASAN             | <b>Art Unit</b><br>2621  |

| ORIGINAL           |                                   |     |          |     |     | INTERNATIONAL CLASSIFICATION |   |   |   |         |             |  |  |  |  |  |  |  |
|--------------------|-----------------------------------|-----|----------|-----|-----|------------------------------|---|---|---|---------|-------------|--|--|--|--|--|--|--|
| CLASS              |                                   |     | SUBCLASS |     |     | CLAIMED                      |   |   |   |         | NON-CLAIMED |  |  |  |  |  |  |  |
| 386                |                                   |     | 111      |     |     | H                            | 0 | 4 | N | 7 / 26  |             |  |  |  |  |  |  |  |
| CROSS REFERENCE(S) |                                   |     |          |     |     | H                            | 0 | 4 | N | 9 / 79  |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     | H                            | 0 | 4 | N | 5 / 93  |             |  |  |  |  |  |  |  |
| CLASS              | SUBCLASS (ONE SUBCLASS PER BLOCK) |     |          |     |     | H                            | 0 | 4 | N | 5 / 91  |             |  |  |  |  |  |  |  |
| 386                | 35                                | 52  | 66       | 68  | 70  | H                            | 0 | 4 | N | 5 / 95  |             |  |  |  |  |  |  |  |
| 386                | 91                                | 92  | 98       | 109 | 112 | H                            | 0 | 4 | N | 5 / 00  |             |  |  |  |  |  |  |  |
| 386                | 124                               | 125 |          |     |     | H                            | 0 | 4 | N | 7 / 14  |             |  |  |  |  |  |  |  |
| 348                | 14,13                             | 484 | 571      |     |     | H                            | 0 | 4 | N | 7 / 08  |             |  |  |  |  |  |  |  |
| 360                | 13                                | 32  | 39       | 40  | 55  | H                            | 0 | 4 | N | 5 / 14  |             |  |  |  |  |  |  |  |
| 369                | 84                                |     |          |     |     | G                            | 1 | 1 | B | 27 / 02 |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     | G                            | 1 | 1 | B | 5 / 09  |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     | G                            | 1 | 1 | B | 5 / 02  |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     | G                            | 1 | 1 | B | 7 / 28  |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |
|                    |                                   |     |          |     |     |                              |   |   |   |         |             |  |  |  |  |  |  |  |

| <input checked="" type="checkbox"/> Claims renumbered in the same order as presented by applicant <input type="checkbox"/> CPA <input type="checkbox"/> T.D. <input type="checkbox"/> R.1.47 |          |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
|--|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
| Final  | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original | Final | Original |
| 1  | 1        | 13    | 17       |       |          |       |          |       |          |       |          |       |          |       |          |
| 2  | 2        | 16    | 18       |       |          |       |          |       |          |       |          |       |          |       |          |
| 3  | 3        | 17    | 19       |       |          |       |          |       |          |       |          |       |          |       |          |
|  | 4        | 18    | 20       |       |          |       |          |       |          |       |          |       |          |       |          |
| 12   | 5        | 19    | 21       |       |          |       |          |       |          |       |          |       |          |       |          |
| 14   | 6        | 20    | 22       |       |          |       |          |       |          |       |          |       |          |       |          |
| 16   | 7        |       | 23       |       |          |       |          |       |          |       |          |       |          |       |          |
| 4  | 8        |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
| 5  | 9        |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
| 6  | 10       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
| 7  | 11       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
| 8  | 12       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
| 9  | 13       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
| 10   | 14       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
|  | 15       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |
| 11   | 16       |       |          |       |          |       |          |       |          |       |          |       |          |       |          |

|   |                      |                                    |                        |
|---|----------------------|------------------------------------|------------------------|
| /SYED Y HASAN/<br>Examiner, Art Unit 2621<br><br>(Assistant Examiner)               | 10/22/2009<br>(Date) | <b>Total Claims Allowed:</b><br>20 |                        |
| /THAI TRAN/<br>Supervisory Patent Examiner, Art Unit 2621<br><br>(Primary Examiner) | 11/08/2009<br>(Date) | O.G. Print Claim(s)<br>10          | O.G. Print Figure<br>1 |